

# FOLIO

UNIVERSITY OF ALBERTA  
20 NOVEMBER 1992



## INSIDE

- Towards a greater understanding of perinatal medicine
- CIRASS workshop revolves around leadership and creativity



### From kickoff to hand-off

President Paul Davenport presents a \$600 pledge to Rita Amor, the United Way's Loaned Representative to the University of Alberta. The pledge stems from "Celebrity Kickoff," 30 October at Clark Stadium, and the President's 58-yard boot. Also pictured is John Bertie, co-chair (with Doug Wilson) of the United Way Campaign on Campus. As of 16 November, staff and students had pledged a total of \$211,000, bringing the University ever closer to its goal of \$250,000.

## Graduand survey reveals students proud of U of A Room for improvement in some areas, however

About three out of four graduands say they're proud of the University of Alberta, are satisfied with the education they received and would choose the U of A again if the opportunity arose.

In a recently released 1992 graduand survey, more than half of the exit survey respondents rated the U of A as better than average, compared to other universities in Canada. And although many respondents said they had a broad range of reasons for attending the U of A, many said they came for personal fulfillment and career aspirations.

"I am pleased that this survey has indicated a significant level of satisfaction on the part of our graduands regarding their experiences at the University of Alberta, and I am satisfied that we have useful data which will help us to focus on areas that are of concern to our students," Vice-President (Academic) John McDonald said last week.

Vice-President (Student and Academic Services) Lois Stanford said, "I think the survey is important because universities need to know how well they're doing, in terms of providing students with the kind of education they want and what we think is important.

"I'm pleased with the survey. It's important that we do this every year, so that we can build up the information. That will help us

determine where we're making progress and where we need to make improvements."

Students graduating from undergraduate or professional programs were asked to complete the survey, conducted in conjunction with Spring Convocation last June. A total of 1,460 graduands—about 34 percent of those graduating—returned their surveys.

Just about half of the respondents believed that their career prospects had improved considerably as a result of their studies. And the majority of graduands perceived considerable improvement in a wide range of general and specific skills. The ability to learn and work independently and improvements in critical judgment were rated most positively. Respondents stated location and program considerations were the main reasons for choosing the U of A.

Less than half of the sample reported considerable improvement in computer and math skills. Not surprisingly, that finding differed among Faculties.

While the majority of respondents considered their programs to have been stimulating, enriching and enjoyable, a sizeable minority (25 percent or more) were dissatisfied with the balance between theory and practice and with the effort of instructors to verify learning and to encourage classroom participation and feedback.

*Continued on page 3*

## U of A physicians at the heart of efforts to educate Kiev pediatricians

### Specialists from across the country join forces to work for Chernobyl's Children Project

A typical medical specialist in Ukraine earns about \$26 US per month; only recently have their salaries doubled. On this campus, an authoritative textbook on pediatrics costs as much as \$114.

"If you give them a current textbook, it's like giving them a gold bar," says David Reid (Clinical Professor of Obstetrics), one of a number of University of Alberta-affiliated physicians who are involved with the U of A-based Chernobyl's Children Project. "They can't get these textbooks because they can't afford them."

That's just one of many problems the Kiev medical establishment has to overcome, explains Pediatrics Professor Ehor Gauk, citing a lack of knowledge, diagnostic equipment and drugs as key reasons why Kiev pediatricians are unable to provide the kinds of services Canadians take for granted.

Now, however, the Project has managed to recruit 20 or so physicians from across the country, including several from the U of A, who have been travelling in the past several months to Kiev to lecture to pediatricians at Kiev Hospital #1, a hospital with 1,400 beds. It's in that hospital's general area where many of the Chernobyl families have been resettled

following the devastating explosion and fire at a nuclear power plant. There are about 25,000 children in the area.

External Affairs has given \$850,000 in support of the Project and Kodak has sold the Project laboratory equipment for half price. Donations, in value, total about \$250,000. A laboratory has now been established at the hospital and two lab technicians, one from Edmonton and another from BC, have each signed one-year contracts to operate the lab and teach Ukrainians the skills they need.

**"The fundamental purpose of the Project is to improve the health care of the children and to improve the quality of pediatrics."**

*Ehor Gauk*

(Governor General Ray Hnatyshyn officially opened the lab and Chancellor Sandy Mactaggart visited the Project last August.)

Usually, the physicians go to Ukraine for about two weeks, lecture to pediatricians "and invariably they come back delighted with the reception they've received," says Dr Gauk, who has been assuming more of the responsi-

bility of administering the Project as Ernest McCoy, the person who initiated it, has lessened his involvement. Adrian Jones (Pediatrics), for example, has recently spoken on gastrointestinal disease.

On the general state of health, Dr Gauk says, "This is not a well identified group of kids. Six years later [the explosion took place in 1986], it's hard to know who was where and when, and who got how much radiation. But there's no question they all got too much. We're not dealing with radiation sickness ... and they're fine in terms of their health. But they're very much at risk for developing cancer. The first two cancers that are likely to develop are cancer of the thyroid and leukemia.

"The fundamental purpose of the project is to improve the health care of the children and to improve the quality of pediatrics," he explains.

Now that the Project is functioning, organizers and participants are going to meet to review where they've been, what they've done and where they want to go. "But there's not much point in doing a good job looking after kids after they're born, if you don't do a good job before," Dr Gauk says. So physicians at the U of A are looking to set up an obstetrics project to dovetail with the pediatrics initiative.

Advanced Education's International Division has provided some preliminary funding for that initiative.

Dr Reid, an obstetrician, says many of Ukraine's obstetrical practices are 30 to 40 years behind current methodology. "For example, if a woman has a Caesarean section right now, she is isolated for 48 to 72 hours, doesn't see her family, doesn't see her child. Some of the delivery rooms will have two or three tables where three women will deliver in the same room at the same time. And their prenatal diagnostic testing is really quite far behind."

The benefits flow two ways. The Canadian specialists, who stay in apartments rented from the city, are excited to have such enthusiastic students and to have the opportunity to observe diseases, such as meningitis, which are seen far less infrequently in Canada. And those who can speak Ukrainian, can witness history in the making and strike up friendships. The organizers also hope that some Ukrainian specialists will be able to visit Canada in the new year to receive additional training.

Anyone interested in donating to the Project here in Canada can make cheques out to the University of Alberta Chernobyl's Children Project and receive a tax deduction.



## CORRECTION

A budget story in the 13 November *Folio* made reference to Alberta's deficit of some \$14 billion. That figure is actually the province's accumulated debt, and has resulted from a series of yearly deficits.

## CaPS HOLDING ANNUAL HEALTH SCIENCES CAREER FAIR 26 NOVEMBER

Career and Placement Services will host the annual Health Sciences Career Fair 1992 on Thursday, 26 November, from 3 to 7 pm in Dinwoodie Lounge, Students' Union Building.

Twenty-seven health care employers from Alberta, British Columbia, Saskatchewan and the Northwest Territories will be present.

Potential employers will be meeting with students and alumni from Rehabilitation Medicine, Nursing, Medical Laboratory Science, Pharmacology, Pharmacy and Pharmaceutical Sciences, Dentistry / Dental Hygiene and Foods and Nutrition.

The fair is free, and guidebooks containing information on all the employers attending will be given out free to students who attend.

Carey Castillo, Career Fairs/Forums Coordinator for CaPS, says Health Sciences Career Fair is an opportunity for students to meet with employers. "A lot of these employers will be recruiting."

Even if students aren't in the job market, CaPS encourages them to come out and practice their marketing skills.

The general CaPS Career Fair will be held 13 January.

## Safety and security on campus task force wants to hear from you

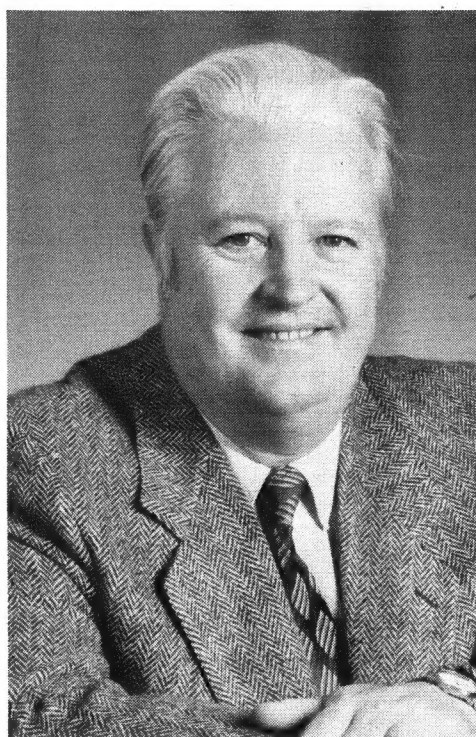
### Notice of intent to submit briefs set for 1 December

If you're going to make a presentation to the Council on Student Life's Reports and Reviews Committee, struck to investigate student safety and security on campus, you'll have to let the committee know by 1 December.

The 1992-93 committee's mandate is to determine the University's present policies, practices and procedures concerning safety and security; whether those provide adequate protection for students; and to determine what changes, if any, should be made to those policies, practices and procedures.

Submissions in the second term will be welcomed in the form of written reports which will eventually form an appendix to the committee's report to COSL in September 1993. People may also be invited to make a brief verbal presentation to the committee and to answer any questions arising from their submissions.

According to committee chair Raymond Grant (English, 492-4647), committee members will be keeping an open mind on all topics. The committee's most important task will be to gather and summarize the opinions and perceptions of interested individuals and University groups such as, but not limited to, the various Faculties, Graduate Students' Association, Students' Union, Academic Women's Association, Office of Human Rights, Chaplains' Association, International Student Centre, Occupational Health and Safety, native students, disabled students, mature students, APOs, and the Safety on Campus Committee.



Raymond Grant

ciation, International Student Centre, Occupational Health and Safety, native students, disabled students, mature students, APOs, and the Safety on Campus Committee.

The committee will also be examining how Campus Security Services works, how it was set up, what its mandate is and what its relations to the city police and outside law enforcement agencies are. The relevant sections of the Code of Student Behaviour and GFC Policy Manual will be reviewed. The committee will also be examining to what extent the current policies and practices provide protection to the University against liability.

"By definition and the terms of our mandate, our efforts are concentrated on students' safety, but naturally we'll be looking to staff, support staff, campus patrol, and administration for their experiences and advice that they can give to help us keep the campus as safe as possible for students," Dr Grant says.

The committee members are: Raymond Grant (English, 492-4647); Annalise Acorn (Law); Susan Shaw (Office of Human Rights); Timothy McRory (English); Matthew Brown (Mackenzie Hall); Linda Hornberger (Risk Management); Doug Langevin (Campus Security Services); and a representative from both the Students' Union and the Graduate Students' Association. Debra Hughes (Office of the Dean of Student Services, 492-4145) is the committee secretary.

## Budget Forum

"KEEPING ACADEMIC PRIORITIES FIRST"

25 November, noon - 2pm

Myer Horowitz Theatre,

second floor, Students' Union Building

Open to all members of the University community

## Stephen Arnold named Killam Professor

### Constantly cross-fertilizing his teaching and research

Fifteen years after he taught at the National University of Tanzania, during a time when students were inspired by the cultural revolution in China, Comparative Literature Professor Stephen Arnold still receives letters and phones calls from students.

The students thank Dr Arnold for teaching them lessons that sometimes took students many years to realize, accept or acknowledge. "The same happens with students I have taught and sometimes crossed intellectual swords with at the U of A," explains Dr Arnold, who has recently been honoured by the University with a Killam Annual Professorship, 1992-93.

"As much as I've come to love teaching at higher levels, these early experiences convinced me that the most exciting events in my scholarly life will include moments in the undergraduate classroom where the naivest of questions provoke the profoundest thought," he stated in his Killam application, reflecting on his earlier experiences at the University of Oregon.

Dr Arnold's scholarship speaks for itself. His early work in surrealism helped him earn a citation from *Books Abroad* in 1974, and after his stint in Tanzania, he shifted his focus to African literatures. Many of his publications on African and "third world" literatures have been frequently cited and reprinted. Now, on this continent, peers consult Dr Arnold as a matter of course when colleagues in his field are reviewed for tenure and promotion.

The Comparative Literature professor has consciously cross-fertilized his teaching and research. "Had I focused my research on one author or one national literature, my c.v. would be much longer (as it would be if I had not answered a call to administration for several years), but I have for a decade and a half been preparing to undertake a massive interdisciplinary project, an attempt to define African aesthetics."

Dr Arnold has always enjoyed his role supervising graduate students. "When I accept to be a student's supervisor, it is with the expressed expectation that our relationship will be as senior and junior colleague more than as teacher and student. My role is to professionalize, not just direct a research project."

Most of Dr Arnold's service activities have involved academic organizations. From 1978 to 1981, he edited the quarterly *African Literature Association Newsletter*, converting it in 1981 to a journal, the *ALA Bulletin*, which he continues to edit. He's served as editor for other journals and for three publishing houses. Since 1988, he has edited a monograph series co-published by Africa World Press and the Research Institute for Comparative Literature: Africa/Caribbean.

At the University of Alberta, he created the Fonlon-Nichols Award endowment for African literary prizes. And following Alberta New Democrat leader Grant Notley's death, he launched a North American fund drive for the endowment which now provides the U of A with Notley Postdoctoral Fellows.

## CURRENTS



### Garden Crafters Christmas Fair

The University of Alberta Devonian Botanic Garden Crafters Association will hold its Christmas Fair on Sunday, 6 December, from 11 am to 4 pm. There will be a large selection of Christmas floral arrangements, wreaths and hangings, and refreshments will be served. There will also be free hay rides and cross-country skiing, weather permitting.

The Devonian Botanic Garden is located on Highway 60, north of Devon.

### Retirement luncheon for Ron Whistance-Smith

A retirement luncheon for Ron Whistance-Smith, University Map Curator since 1973, will be held in the Papaschase Room, Faculty Club, on 7 December at noon. If attending, please call Fran, Department of Geography, 492-3274. (Contributions for gift accepted.)

### McCALLA PROFESSORSHIPS: SMALL FACULTIES COMMITTEE

Applications are invited from continuing faculty from the Faculties of Dentistry, Extension, Home Economics, Law, Nursing, Pharmacy, Physical Education and Recreation, Rehabilitation Medicine, Faculté Saint-Jean, School of Native Studies, or interdisciplinary units/centres.

These prestigious awards provide full-time teaching relief for the period September to April to enable recipients to pursue a research project in Edmonton.

Application information is available from Deans' offices.

Applications must be received by the Associate Vice-President (Academic) by 1 December 1992.

## FOLIO

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Public Affairs produces *Folio* on a regular basis for the staff and other interested persons.

#### DEADLINES:

**Notice of coming events:** 9 am three weeks in advance of event. **Classified advertisements:** 3 pm one week before desired publication date. This date also serves as the deadline for cancellation of advertisements.

Advertisements cost 40 cents per word with no discount for subsequent insertions. There is a limit of 30 words and a minimum charge of \$2.00. Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission.

**Display advertisements:** 3 pm Friday, seven days before desired publication date. Camera ready artwork is required to size, complete with halftones if necessary. Contact Public Affairs for sizes, rates and other particulars.

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University  
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# Frank Aherne honoured with Killam Annual Professorship

## Promoting the joy of learning at the heart of his teaching

"I love teaching and have spent a significant portion of my life trying to improve my teaching," says Frank Aherne, Professor of Animal Science.

Dr Aherne, who has recently been honoured by the University with a Killam Annual Professorship, says, "My more important teaching objectives are to promote the joy of learning and help build students' self-esteem, confidence and problem solving skills."

Students are appreciative. In fact, student course evaluations over the past 20 years have placed Dr Aherne among the top 25 percent. "I have received many student comments that my courses are among the best they have taken," he noted in his application for a Killam Annual Professorship.

His peers have recognized and paid tribute to his excellent teaching. He was awarded the Teaching Excellence Award in the Faculty of Agriculture in 1983 and 1987. He was awarded the Teaching Award of Merit by the National Association of Colleges and Teachers of Agriculture in 1986 and 1990, and the Hocking Chair for Teaching in 1985. During that year, he visited other universities in Canada and the United States to study teaching methods.

Dr Aherne also has a distinguished publishing/research record. He's published 129 papers in peer reviewed journals, six major invited reviews, 48 conference proceedings and six book chapters. His primary research interests include: determining nutrient requirements of swine; determining nutrient intake and body fat effects on the endocrine and reproductive functions of female pigs; and determining the effects of nutrition and environment on a particular joint cartilage problem that causes lameness in many animals.

**Dr Aherne takes his community service seriously. Since coming to the U of A in 1972, he's presented 255 community service seminars throughout the province, Canada and 16 other countries.**

His exemplary research record has not gone unnoticed by his peers either. He's received the Medal of Excellence in Nutrition by the Canadian Society of Animal Science (1983)

and, three years later, he was awarded the Canadian Society of Animal Science Certificate of Merit, its highest award. He's been awarded considerable external funding over the last 10 years. He's held a Natural Sciences and Engineering Research Council operating grant since 1972 and has received more than \$1.5 million in research support over the past decade.

Graduate students value his guidance. Since 1972, Dr Aherne has supervised 24 graduate students (14 MSc, 10 PhD) to completion. He's currently supervising four and co-supervising three others. And he's served on the thesis committees of 28 other students and on the candidacy committees of 10.

Dr Aherne takes his community service seriously. Since coming to the U of A in 1972, he's presented 255 community service seminars throughout the province, Canada and 16 other countries. He's written extensively for the popular press and is a reliable source of information for farmers and industry. "I have devoted a significant part of my research to applied research," he says, noting that there are immediate benefits of this type of research for the animal industry.

## Skydome president, ESO maestro lead the way at CIRASS workshop

CIRASS (Canadian Institute of Retailing and Services Studies, a Faculty of Business-based research centre) conducted its first Leadership and Creativity workshop 5 November. "The Phenomenon of Creativity" featured presentations by Richard Peddie, president and CEO of the Toronto Skydome, and Uri Mayer, music director and maestro of the Edmonton Symphony Orchestra.

Peddie opened the workshop by offering "five tricks to unleash creativity across your company. After 22 years of experience [in the food services industry], I find that they work."

- 1) Chat up your customers.
- 2) Roll up your sleeves. (Peddie said he's taken tickets, been an usher, worked security, and "swept up between Moscow Circus shows." All Skydome employees—150 full-time, 600 part-time—are encouraged to take on tasks outside their own line of work, he said.
- 3) Think laterally, not literally. ("You can take inspiration from virtually anything in life if you have an open mind.")
- 4) Turn on, don't turn off your employees. (They're a critical source of ideas; you must constantly recognize them and encourage them to speak up, Peddie said. As long as something can be learned from a suggestion and it's not terribly costly, Peddie said he's willing to give it a try. "We're not big on task forces. We try to hire as many creative people as possible. There's almost nothing that's not too crazy to be considered." Peddie also mentioned that "every quarter we have employee meetings and everyone sees our financials.")
- 5) Try, test, and try again. Skydome is a demon experimenter when it comes to the packaging and sales of food and drink, and staff do research after almost every event and are constantly seeking feedback, Peddie related.

Skydome hosted 160 events in its first year of operation (1990) and 187 events in 1991. So far this year, "the most barrier-free entertain-

ment centre in Canada" has hosted 201 events. "To get beyond 180 [events] takes hustle and creativity," Peddie told the workshop. We have to go out and convince people to bring acts to Skydome, as opposed to sitting back and letting the facility's reputation go to work, he said. (Peddie did work in a plug, saying, "I don't think there's a better park in North America than ours. [Baltimore's] Camden Yards is a better baseball park but ours is the best multifunctional facility.")

"If you want your company to survive and prosper, you must have the courage to be a leader," Peddie told the workshop.

Uri Mayer, who has been with the ESO for the past 12 years, said no conductor today is alone. Money is the starting point and the relationship between the ESO and the various granting bodies is akin to walking a tightrope, he emphasized. No music academy or school trains conductors in economics, but you have to learn money matters somehow, he said.

Government cutbacks in the arts are unfortunate and children here have fallen behind their counterparts in eastern Canada in terms of their exposure to music, Mayer continued.

"Budgets of symphony orchestras have been crimped severely in recent years. Unlike Skydome, the number of incentives we can offer people is minimal. Musicians' compensation in this city is not adequate according to their talent and the effort they put in."

The ESO has 56 musicians, the majority of whom are Edmontonians, on full contract. Trouble is, most material the orchestra performs was written for orchestras of 70 to 100 players. "We can't afford to put that many musicians on stage without going bankrupt," Mayer said. "My conscience isn't good about this." Naturally concerned that music lovers and those just warming to the art may choose to listen to CDs or attend symphony performances in other centres, Mayer said he's considering amplifying the sound at the Jubilee Auditorium. This he will likely approach with

some trepidation, for he pointed out that "if a serious conductor tried to do this in Europe he would be hacked."

An ESO season usually spans 40 weeks and is planned about a year and a half in advance. Costs for guest artists, regular players and extra musicians consume much of what Mayer calls a lean budget, one in which a two percent error would translate into a loss of \$100,000.

"We can not anticipate the revenue. We can only do our best guessing."

Larry Enkin, president of the Coppley Apparel Group, Hamilton, attended the workshop and pronounced the leadership and creativity theme a "flexible, innovative approach to an exercise." Richard Peddie's presentation was extremely well done and because of Uri Mayer's remarks, I've become more aware of business's commonality with the arts, Enkin said.

"I'm only sorry it didn't have a larger audience, but c'est la guerre." (The workshop was held on the same day that economist Lester Thurow addressed business leaders and academics at the Convention Centre.)

Fred Singer, president of Henry Singer Fashion Group, participated in a panel discussion and felt that "the questions were very well thought out and a lot of information was shared."

"I would have liked to see more students, faculty and business people in the room because there are a lot of ideas they could exchange."

After the workshop, the inaugural Henry Singer Award for Exceptional Leadership in Retailing and Services was presented to Jeff Mooney, president of A&W Food Services, Canada, and the ESO performed at an evening concert.

CIRASS has already started planning for a similar workshop next year.

## Survey

*Continued from page 1*

About six out of 10 graduands said their instructors had been reasonably accessible outside of class. Only a small number felt the University was using teaching assistants too much.

The survey was initiated by the Vice-President (Academic). Data processing was completed by the Population Research Laboratory, where the report was also produced. The PRL's David Odynak constructed the data file and analyzed the results. The survey was designed and written by a committee consisting of Paula Brook (Research Director, University Teaching Services), Harvey Krahn (Sociology), Lynn Penrod (Associate Vice-President, Academic), Registrar Brian Silzer and Jim Small (Educational Administration).

According to Dr Krahn, PRL Director, the survey is, overall, a positive assessment of the University with room for improvement in a number of areas. "In a way these findings are relative. How do we stand in comparison to other institutions? I don't have perfect benchmarks, but looking at other similar studies, I get the feeling that we're not exemplars of the best place in the world, nor are we the worst. We're typical."

As a whole, respondents were moderately critical of support services. For example, University residences, campus food services, parking, counselling services, Students' Union services and financial support for students had more negative ratings from students who evaluated specific aspects of university life. Registration and administrative services were rated positively.

Dr McDonald said the survey was designed to provide information about the degree of satisfaction which graduands feel about their education and the difficulties which they experienced at the University. "It is intended that these results will be the start of an ongoing database which we will add to with each graduation, and which can be used to identify those aspects of undergraduate life of which we can be proud and those which need our attention."

Dr Krahn said over time—perhaps in three years—it will be interesting to see whether some of the findings change. If they improve, that's an important comparison.

Gender and age didn't figure prominently as factors in the responses, but female respondents rated safety on campus more negatively than did male respondents. "There are some interesting differences in what older students expect and want," Dr Krahn said. "And that's something the University has to be looking at, because we're increasingly drawing a larger share of our student undergraduate population from a slightly older base."

There is some sociological data in the report the campus may find informative. "The four out of 10 students who are working while finishing degrees only confirms the work Graham [Lowe] (Sociology) and I have been doing. And a large number of students have spent at least some time at other postsecondary institutions."

Dr Krahn advised the campus to interpret the data cautiously. There are considerable variations in answers to each of the many questions asked in the survey, as well as large differences in goals and instructional methods between Faculties.

Deans' Council and the Academic Development Committee reviewed the survey before it was used and agreed that it would be a useful complement to teaching and learning initiatives which have been developed by Faculties, departments, service units and individual instructors. Added Dr McDonald, "It is my hope that with the information now available it will be possible to have a better understanding of those initiatives and to assist planning for improvements in the future."



# Shortening the time between the bench and the bedside

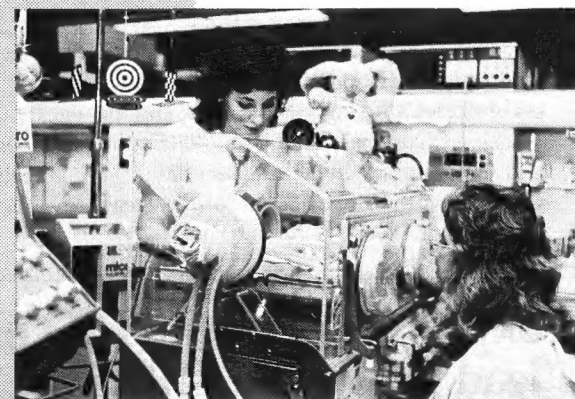
Centre for Research in Maternal, Fetal and Newborn Health building team of clinicians and basic scientists



Premature babies face some daunting physiological and anatomical problems.



Each year, about seven percent of all babies born in Alberta are born prematurely.



Caring for babies born prematurely can be expensive and labour intensive.

**T**he first few months of life outside the womb can be tough ones for babies born prematurely. Although estimates vary, authorities say mortality among infants weighing less than 2,500 grams at birth can be 17 times greater than among infants with birth weight above 2500 grams.

Babies who do make it, however, face some daunting anatomical and physiological problems. For example, premature babies, in proportion to the degree of immaturity, can have weak sucking and swallowing reflexes, smaller stomachs, impaired renal functions, incomplete enzyme systems, partially developed medullas and lungs and weak cough and gag reflexes.

Behind the scenes and on the frontlines, a team of 25 or so specialists centred at the University and University of Alberta Hospitals, and including key players from the Royal Alexandra and Glenrose Hospitals, is working to uncover the answers to some of the most basic questions related to perinatal health. They want to know why babies come into the world prematurely and how their early birth affects their development and their families.

Brought together under the auspices of the Centre for Research in Maternal, Fetal and Newborn Health to form a truly interdisciplinary team of clinicians and basic scientists, the researchers are tackling the problems associated with pregnancy, fetal development, birth and the newborn baby's adaptation to life outside the womb. (Perinatal medicine is a branch of medicine dealing with the care of pregnant women, their fetuses and their babies following birth.)

Every year, about seven percent of all babies born in the province are born prematurely. That's about 2,000 babies in northern and central Alberta. According to Paul Byrne, UAH Director of the Division of Newborn Medicine, babies born in the 23- to 25-week period of pregnancy have a 50 percent survival rate, and babies born in the 26- to 28-week period have an 85 percent survival rate.

David Olson, Director of the Centre for Research in Maternal, Fetal and Newborn Health, says the goal of the research program is to discover the causes and cures of perinatal ill-

nesses. "Our understanding of perinatal science is really only 30 to 40 years old," he says. Canada is a leading country in the field.

At the University of Alberta, researchers are attempting to learn what constitutes normal development of the baby during fetal life and are trying to understand the physiological, neurological and biochemical processes that go awry, says Dr Olson, who is among the basic scientists trying to understand the processes associated with the birth of the baby.

"We still aren't fully aware of all the events that occur to elicit this [birthing] reaction," says Dr Olson. If researchers knew more about the process, then it's possible they would be able to design therapeutic approaches to block premature births, he says. Babies born at the 30 week point, for example, run the risk of having problems associated with prematurity,

**Every year, in the province about seven percent of all babies are born prematurely. That's about 2,000 babies in northern and central Alberta.**

but if physicians could buy some more time—say, six weeks—in the womb for the baby, those risks could be considerably reduced.

That would have major implications for the health care system. According to Dr Byrne, it costs a minimum of \$1,000 a day to care for a premature baby in the UAH's newborn intensive care unit. "For many babies, it's double that. It's an enormous drain on the health care system and if we could prevent premature deliveries, it would save an enormous amount of money and prevent a great deal of human misery."

It's not just the baby who suffers. Joyce Magill-Evans (Rehabilitation Medicine) and Margaret Harrison (Nursing) are looking at the broader implications for families that have premature babies. They're examining the stress in families and the longer term effects on families that have premature babies.

Ethical issues arise, in part, as a consequence of the creation of new knowledge. "You can't have good ethical decisionmaking, however, if you don't have the facts," says Dr Byrne, and that's where the rapport between researchers and clinicians is so vital.

"When you're right at the frontier—at the 23 or 24 week point—you're breaking new ground all the time," he says, pointing out that the lengths to which clinicians will go to keep babies alive are much greater than they were 10 years ago.

But while researchers associated with the Centre are investigating specific pieces of the perinatal puzzle, the Centre is also actively fostering communications among members of the team and with the broader public. A seminar series has been running this term and the Centre also conducts a public lecture program. Dr Magill-Evans says one of the Centre's functions is to promote this kind of communication. "We stimulate one another with our ideas," she says, predicting that one of the Centre's primary functions will entail disseminating information to the public.

"We have a responsibility to inform the public and an overall responsibility to be accountable," Dr Olson says. At a time when parents are increasingly demanding certainty and that their babies be born healthy, it's important that perinatal scientists and clinicians communicate with the public in as clear and concise a way as possible. "That's not something we're trained to do and we really have to work at that," says Dr Olson.

Meanwhile, the perinatal researchers and clinicians are training the next generation of researchers. Bright young graduate students, technologists, summer students, medical researchers, postdoctoral fellows and research associates are working to solve perinatal questions.

"We have a responsibility to train new scientists and new physicians in perinatal investigation, and encourage more people to enter the field," says Dr Olson, adding that the very existence of the Centre will help recruit new members to the team.

Although the Centre has a multiplicity of functions and roles to play, the end goal is surprisingly straightforward: to promote the health of women and their babies.



# Employee Assistance Program update

The University of Alberta's Employee Assistance Program offers problem identification and assessment, treatment, consultative assistance and referral to appropriate agencies. EAP is administered by a seven-member joint advisory committee which has representation from both staff associations.

*Folio* spoke recently with Wes Penner of Priority One Human Resources Inc, the company retained by the University to coordinate the EAP, about the program's services related to drug and alcohol abuse.

**Folio:** Why is alcohol and drug abuse among staff members and their dependents a concern for the University of Alberta?

**Dr Penner:** The U of A's Employee Assistance Program's Joint Advisory Committee understands the important role the staff play in the delivery of postsecondary educational services. It also understands the supportive role dependents of staff members can play. Alcohol and drug abuse have the potential of interfering in the delivery of educational services by destroying the staff members' home life, personal health and well-being and ultimately the quality of performance and level of productivity at work. It is for this reason that the U of A is interested in providing staff and their dependents with assistance in both prevention of drug and alcohol abuse and rehabilitation.

**Folio:** Typically, we hear more about *reactive* than about *preventive* efforts related to drug and alcohol abuse. Why is this so? Is there a need to increase the emphasis on prevention? If so, what is the University's Employee Assistance Program doing about it?

**Dr Penner:** I believe society is generally more willing to make treatment and rehabilitation available to people suffering from illness than to make preventive efforts. Preventive efforts are often slow in producing results, they are difficult to measure and they are often prohibitive in terms of cost. Notwithstanding the difficulties associated with prevention, I believe there is a need for an increased emphasis on it. One of the preventive efforts was made by the U of A in 1989 when it implemented an EAP. The program offers staff members and their dependents counselling, consultation and information related to all personal and work-related problems, including drug and alcohol abuse. Specific activities of this program include: dissemination of EAP brochures that heighten awareness of how to obtain assistance with personal and work-related problems; workshops for supervisory staff which focus on how to identify troubled staff and how to assist them in seeking help; consultative assistance, especially for supervisory staff on how to help troubled staff; workshops on stress management; and counselling for troubled staff and dependents. All of these efforts do in fact represent measures to prevent illnesses including abuse of drugs and alcohol.

The program's activities have both a reactive and preventive orientation. Such activities are now being increased. However, there are other activities and efforts being made by the U of A to promote prevention of drug and alcohol abuse.

**Folio:** Why are supervisors/administrators often identified as the most important link in the chain of assistance to drug and alcohol abusers? What should they know about their role?

**Dr Penner:** Supervisors are in a unique position to assist troubled staff members. If properly done, the supervisory referral to the EAP can be a powerful tool in helping staff, particularly those who have previously been

unwilling or unable to obtain assistance. One's job can be a powerful motivator. However, one ought not to overlook the importance of a collegial referral, which can be described as one colleague encouraging another to seek help.

Dealing with a staff member who is abusing drugs or alcohol can be most stressful. It is easier to do nothing, hoping the problem will go away, or to cover up the problem thus enabling the staff to avoid the consequences of their abuse. Following are some do's and don'ts which I offer with the permission of the *EAP Digest*.

## Do's

Do establish job performance expectations and monitor employee output.

Do recognize when a problem exists.

Do consult with the EAP as soon as you suspect a problem.

Do document problems in employee job performance.

Do intervene with care and concern.

Do refer the employee to the EAP.

Do insist that job performance improve, whether or not the employee goes to the EAP.

Do follow through and hold the employee accountable.

## Don'ts

Don't generalize about the employee's job performance.

Don't try to diagnose the problem or discuss the employee's personal affairs.

Don't take responsibility for solving the employee's problem.

Don't preach or moralize. Focus only on job performance.

Don't cover up or enable. This only delays the employee from receiving help.

Don't be misled by tactics that evoke sympathy, anger, or denial.

Don't delay.

And further, supervisors and colleagues are encouraged to contact Personnel Services and Staff Relations, the Office of the Vice-President (Academic) or Priority One for help, depending on whether the staff member needing assistance is affiliated with AAS:UA or NASA and on the assistance required.

**Folio:** Do you believe that a University's needs and conditions with regard to addressing drug and alcohol abuse are different from those of other institutions or agencies?

**Dr Penner:** The needs and conditions for nonacademic staff are essentially the same as they are for other institutions or agencies. However, I believe that they are different for academic staff or teaching faculty. The latter group enjoys a considerable amount of freedom. Supervision is done mainly by peers, some of whom alternately assume the role of faculty head. Much of their time is their own to be used how, when and where they can best achieve their academic pursuits. Also, their performance is generally evaluated much later when either their own writing and research efforts gain public attention or their graduates' training and performance are judged to be good, bad or indifferent by their employer or the "clients" they serve. All of this suggests that responsibility for managing the use of drugs and alcohol is pretty much left up to the individual faculty member; supervisory intervention in the abuse of drugs or alcohol by faculty members is obviously difficult.

**Folio:** How can the University EAP offer assistance to staff and departments who have alcohol or drug abuse concerns?

**Dr Penner:** The question demands an answer but in my mind, it also demands another question. The answer in large part appears in the statements recorded during this interview. We have identified a number of services offered by the University to assist staff and/or their dependents who may be abusing drugs or alcohol. The other question

that is demanded has to do with what the staff members and dependents can do to help themselves. Ultimately, we are all responsible for our own health and well-being and part of that responsibility may include seeking professional help. The University is offering the EAP along with other services and programs. Staff members and their dependents who are concerned about their use of drugs and alcohol are encouraged to access these services and programs.

# EVENTS

## EXHIBITIONS

### ART AND DESIGN

Until 17 December

"Tommie Gallie: Pressure Points"—a local sculptor who works with wooden structures. Edmonton Art Gallery.

### FAB GALLERY

Until 22 November

"Current Work Phil Darrah." Gallery hours: Tuesday to Friday, 10 am to 5 pm; Sunday, 2 to 5 pm; Monday and Saturday, closed. 1-1 Fine Arts Building.

## FILMS

### GERMANIC LANGUAGES

24 November, 7:15 pm

Woyzeck (1979); 141 Arts Building.

8 December, 7:15 pm

Die Blechtrommel (1978); German with English subtitles, 141 Arts Building.

## MUSIC

### DEPARTMENT OF MUSIC

22 November, 8 pm

Kilburn Encounters II. Presented as part of the Made in Canada Festival.

25 November, 12:10 pm

Noon Hour Organ Recital.

25 November, 8 pm

Symphonic Wind Ensemble concert.

27 November, 8 pm

Madrigal Singers Concert.

29 November, 3 pm

Concert Band Concert.

29 November, 8 pm

University Symphony Orchestra Concert.

30 November, 8 pm

Stage Bands I & II Concert.

2 December, 5:30 to 7:30 pm and 8 to 10 pm

Chamber Music Concerts.

3 December, 5 pm

Festival of Lessons and Carols for Advent and Christmas—featuring the University Mixed Chorus and various readers from the University community. Cosponsor: Christian Chaplains' Association.

All events take place in Convocation Hall.

## SPORTS

### BASKETBALL

27 and 28 November, 6:30 pm

Pandas vs UBC

27 and 28 November, 8:15 pm

Bears vs UBC

### HOCKEY

20 and 21 November, 7:30 pm

Bears vs Brandon

# POSITIONS

The University of Alberta is committed to the principle of equity in employment. The University encourages applications from aboriginal persons, disabled persons, members of visible minorities and women.

## SUPPORT STAFF

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 492-5201. Due to publication lead time and the fact that positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 13 November 1992. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR. Positions available as of 13 November 1992.

The salary rates for the following positions reflect adjustments in accordance with the new classification system and pay plan.

ACCOUNTS CLERK (Grade 5), Office of the Comptroller - Special Funds and Research Accounting, (\$1,891 - \$2,343)

SECRETARY (Grade 5), Linguistics, (\$1,891 - \$2,343)

MEDICAL STENO (Grade 6), Obstetrics and Gynaecology, (\$2,070 - \$2,580)

EQUIPMENT SUPERVISOR (MANAGER, CAMPUS OUTDOOR CENTRE) (Grade 7) (40-hour week), Support Services, (\$2,576 - \$3,229)

ADMINISTRATIVE ASSISTANT (RESIDENCE LIFE COORDINATOR) (Grade 9), Housing and Food Services, (\$2,636 - \$3,343)  
PROGRAMMER ANALYST (Grade 10), Advancement Services (\$2,839 - \$3,620)

The following positions retain salary rates in accordance with the previous classification system and pay plan.

ACCOUNTS CLERK (Trust/Part-time), Surgical-Medical Research Institute (\$1,067 - \$1,364) (prorated)

SECRETARY - CLINICAL TRIALS (Trust), Medicine (Cardiology), (\$1,779 - \$2,273)

TECHNICIAN I (Trust/Term to 31 October 1993), Animal Science (\$1,844 - \$2,371)

BIOCHEMISTRY TECHNICIAN I/II

(Trust), Biochemistry (\$1,844 - \$2,692)

TECHNICIAN II (Trust/Term to 31 October 1993), Animal Science (\$2,093 - 2,692)

TECHNOLOGIST I (Trust), Biochemistry (\$2,273 - \$2,933)

TECHNOLOGIST I/II (Trust), Pharmacology, (\$2,273 - \$3,202)

## ACCOUNTING AND MANAGEMENT INFORMATION SYSTEMS

27 November, 2 pm

Informal discussion on the topic, "Information Disclosure Strategy," led by Mike Gibbins, assisted by Tom Scott. Working paper by Baruch Lev entitled, "Information Disclosure Strategy" and the first chapter from Gibbins et al's CGA monograph entitled, "The Management of Financial Disclosure: Theory Perspectives" will be discussed. 1-31 Business Building.

## ALBERTA CENTRE FOR WELL-BEING

25 November, 10 am

"Social Marketing Strategies." Edmonton Room, Centennial Library, Edmonton.

27 November, 9 am

"Health Promotion Fair." GB-06 Education South.

## APPLIED MATHEMATICS INSTITUTE

24 November, 3:30 pm

IA Molotkov, Institute of Terrestrial Magnetism, Ionosphere and Radio Waves Propagation Troitsk, Moscow Region, Russia, "Asymptotic Methods and Nonlinear Wave Problems." 657 CAB.

## ART AND DESIGN

24 November, 5 pm

Joe Fafard, visiting sculptor, will talk about his work. TL-12 Tory Lecture Theatre.

## BOTANY

3 December, 3:30 pm

Paul Glaser, Limnological Research Centre, University of Minnesota, "Climate, Ground-water, and the Development of Peat Landforms in the Glacial Lake Agassiz Region, Northern Minnesota." M-149 Biological Sciences Centre.

## BUSINESS

26 November, 7 pm

Lynne Duncan, Deputy Minister, Alberta Advanced Education, "Postsecondary Education in Alberta: Challenges and Opportunities." Bernard Snell Hall, University of Alberta Hospitals, WMC - Level 1K2.

## CAMPUS ENVIRONMENTAL ORGANIZATION

25 November, 7 pm

Brian Horejse, wildlife biologist and grizzly expert, "The Grizzly: Facing Extinction?" TL-B2 Tory Lecture Theatre.

## CANADIAN INSTITUTE OF UKRAINIAN STUDIES

3 December, 7:30 pm

Alexandra Chernenko-Rudnytsky, "The Protagonist Between East and West in the Prose Writings of V Domontovych" (in Ukrainian). Heritage Lounge, Athabasca Hall.

## CENTRE FOR RESEARCH IN MATERNAL, FETAL AND NEWBORN HEALTH

24 November, noon

Paul Byrne and Martha Piper, "Magnetic Resonance Imaging in High-Risk Infants." 2J4.02 Mackenzie Health Sciences Centre.

## COMPARATIVE LITERATURE AND FILM STUDIES

1 December, 3:30 pm

Kerstin Hassloeher, "'The Pepperoni and Artichoke Heart Creation': Good and Sex in Harlequin Romance." Senate Chamber, Arts Building.

## ECONOMICS

23 November, 3 pm

John J Siegfried, professor of economics, Vanderbilt University, Tennessee, "Designing and Teaching the Economics Major." 8-22 Tory Building.

26 November, 3:30 pm

Ken Sokoloff, professor, UCLA, "Agricultural Seasonality and the Organization of Manufacturing in Early Industrialization." 8-22 Tory Building.

# TALKS



## ENGLISH

25 November, 4 pm

A panel discussion with Chris Wiesenthal, Isobel Grundy and Garry Watson, "What Makes Our Work Tick." L-3 Humanities Centre.

30 November, noon

C Gordon-Craig, "Alice Meynell and 'The Crippled World.'" 4-29 Humanities Centre.

## ENTOMOLOGY

26 November, 4 pm

Ross B Hodgetts, "Ecdysteroid Control of Gene Cascades in Drosophila." TB-W1 Tory Breezeway.

## FAMILY STUDIES

30 November, 11 am

Ann Hemingson, "The Relationship Between Self-Blame and Adjustment in Survivors of Childhood Sexual Abuse." 3-57 Assiniboia Hall.

## FOOD SCIENCE

26 November, 3:15 pm

Lech Ozimek, "Genetic Variants of Milk Protein." 1-13 Agriculture-Forestry Centre.

## FOREST SCIENCE

25 November, noon

Claude Labine, Campbell Scientific Corporation, "Industry-University Research Relationships." 849 General Services Building.

## GENETICS

20 November, 4 pm

Valerie Williamson, University of California, Davis, "The Genetics of Plant/Nematode Interactions." G-217 Biological Sciences Centre.

27 November, 4 pm

John Elliot, "Eukaryotic Expression Cloning of Parasite Surface Antigens." G-116 Biological Sciences Centre.

## GEOLOGY

26 November, 11 am

Alan Fryar, Bureau of Economic Geology, University of Texas at Austin, "Characterization of Ground-water Flow at a US Nuclear Site." 1-04 Earth Sciences Building.

27 November, 4 pm

Dong Bi, "Magnetic Spherules in Quaternary Sediments." 1-04 Earth Sciences Building.

## GEOGRAPHY

20 November, 3 pm

N Jaye Fredrickson, director, Planning and Strategic Initiatives, Alberta Region, Western Economic Diversification Department, "Western Economic Diversification: Policy in Action." 3-36 Tory Building.

27 November, 3 pm

John Hodgson, "Expected Distance Minimization: A New Model of Interaction Within a Facility Hierarchy." 3-36 Tory Building.

## GEOLOGY

20 November, 4 pm

K Muehlenbachs, "Oxygen Isotope Compositions of the Oceans Over the Past Four Ga." 1-04 Earth Sciences Building.

## HISTORY AND WOMEN'S STUDIES

20 November, 3 pm

Gary Arbuckle, "The Death of God in Early Chinese Thought." 2-58 Tory Building.

26 November, 4 pm

Panel discussion on, "Hidden in Plain Sight: African American Women's History." With Leslie Schwalm, University of Iowa, and Susan Smith. Senate Chamber, Arts Building.

27 November, 3 pm

"Women and Slavery in Comparative Perspective," with presentations by Leslie Schwalm, University of Iowa, "Slavery and Freedom: African American Women on the Plantations of South Carolina," and Martin Klein, University of Toronto, "Domestic Labour and Field Labour: the Lot of Female Slaves in the West African Sahel." 2-58 Tory Building.

## LAW

24 November, noon

Ovide Mercredi, National Chief, Assembly of First Nations, "On Aboriginal Sovereignty." 231/237 Law Centre.

24 November, 8 pm

Allan Blakeney, former Premier of Saskatchewan, "Federalism and Democracy." 237 Law Centre.

26 November, noon

John Burrows, Faculty of Law, University of British Columbia, "Law From a First Nations Perspective: The Royal Proclamation." 231 Law Centre.

27 November, noon

John Burrows, "First Nations Self-Government." Faculty Lounge, 4th Floor, Law Centre.

## LIMNOLOGY AND FISHERIES DISCUSSION GROUP

26 November, 12:30 pm

Peter Leavitt, "Food Web Interactions in Alpine Lakes." M-149 Biological Sciences Centre.

3 December, 12:30 pm

Bill Tonn, "Density-Dependent Growth and Recruitment of Crucian Carp: Evidence from a Whole-Pond Manipulation." M-149 Biological Sciences Centre.

## MARKETING AND ECONOMIC ANALYSIS

20 November, 3 pm

Robert Myers, Wharton School, University of Pennsylvania, "Heuristics and Biases in Consumer Decision-Making." 4-16 Business Building.

27 November, 3 pm

Harry Timmermans, Carthy Foundation Chair, Faculty of Business, and director, CIRASS, "A Production Systems Model of Activity Scheduling Behavior." 5-06 Business Building.

## PETER JACYK CENTRE FOR UKRAINIAN HISTORICAL RESEARCH

2 December, 3 pm

Serjii Plokhly, department head, Institute of Archeography of Ukraine, Academy of Sciences of Ukraine, Kiev, "East and West in Cossack Pokrovy: The Reception of the Feast of the Protection of the Theotokos in Early-Modern Ukraine." 352 Athabasca Hall.

## PHARMACY AND PHARMACEUTICAL SCIENCES

20 November, 1:30 pm

Urs A Meyer, professor of pharmacology and chairman, Department of Pharmacology, Biocenter of the University of Basel, Switzerland, "Polymorphisms of Drug-Metabolizing Enzymes." Bernard Snell Hall, Mackenzie Health Sciences Centre.

## PHYSICAL EDUCATION AND RECREATION

1 December, 3:30 pm

Garry Smith, "Public Policy and Gambling in Alberta." E-121 Van Vliet Centre.

## PHYSICS

20 November, 2 pm

WS Fyfe, Department of Geology, University of Western Ontario, "Can We Provide Resources for Ten Billion Humans?" V-121 V-Wing.

## PLANT SCIENCE

24 November, 12:30 pm

Andre Laroche, Agriculture Canada Research Station, Lethbridge, "Searching for Markers of Economical Importance in Wheat." 1-30 Agriculture-Forestry Centre.

26 November, 12:30 pm

Gefu Wang, "Molecular Genetics of Cyanobacteria." 1-30 Agriculture-Forestry Centre.

## RURAL ECONOMY

23 November, 3:15 pm

Charles S Mataya, "Effects of Currency Devaluation on the Real Exchange Rate." 519 General Services Building.

30 November, 3:15 pm

Michele M Veeman, "Monopoly Rents: Behaviour of Quota Prices for Fluid Milk." 519 General Services Building.

## ST JOSEPH'S COLLEGE

24 November, 7:30 pm

Archbishop Joseph MacNeil, "Understanding Catholicism—The Church." St Joseph's College.

27 November, 2:30 pm

Doris Kieser will present a feminist critique of new reproductive technologies. Further information, 439-2422. Faculty Lounge, St Joseph's College.

## SLAVIC AND EAST EUROPEAN STUDIES

23 November, 2 pm

Gust Olson, "The Man Who Wasn't There"—Biography in the Margin in Tynyanov's 'Podparuchik Kizhe'." 436 Arts Building.

30 November, 2 pm

Mikhail Bilinkis, St Petersburg State University, "Periodization of Russian Literature as a Theoretical Problem" (lecture will be delivered in Russian). 326 Arts Building.

## SOCIOLOGY

25 November, noon

Karol Krotki, "The Canadian Society and Economy Through the Eyes of the Chief Statistician of Canada." 5-21 Tory Building. Cosponsored by the Society of Edmonton Demographers.

2 December, noon

Mike Gillespie, "Rethinking the Effects of Life-Events on Stress." 5-15 Tory Building.

## SOIL SCIENCE

26 November, 12:30 pm

John Laidlaw, "Denitrification During the Soil Thaw." 2-36 Earth Sciences Building.

3 December, 12:30 pm

Yongsheng Feng, "Analysis of Root Elongation: Elongation of Cells Accelerates During Growth." 2-36 Earth Sciences Building.

## STATISTICS AND APPLIED PROBABILITY

James M Freeman, School of Management, University of Manchester, "Inference for Binomial Change-point Data." 657 CAB.

## ZOOLOGY

20 November, 3:30 pm


John Post, Department of Biology, University of Calgary, "Fish Recruitment Dynamics: Experiments and Models." M-149 Biological Sciences Centre.

27 November, noon

Bruce McGillivray, "The Alberta Bird Atlas Report Card: Five Years of Data Collection and What Did We Get?" G-208 Biological Sciences Centre.

27 November, 3:30 pm

Martin Adamson, Department of Zoology, University of British Columbia, "Ecological Factors Affecting Speciation in Parasitic Nematodes." M-149 Biological Sciences Centre.

 This symbol denotes environmentally related seminars/events. If you wish to have an environmentally related event listed in this way, please contact: The Environmental Research and Studies Centre, 492-6659.



# ADS

## ACCOMMODATIONS AVAILABLE

**VICTORIA PROPERTIES** - Experienced, knowledgeable realtor with Edmonton references will answer all queries, and send information. No cost or obligation. Call (604) 595-3200, Lois Dutton, Re/Max, Ports West, Victoria, BC.

**RENT** - Lynnwood, west end, bright, cozy bungalow. Three minutes from Meadowlark Shopping Centre. Immediate. \$900/month. Janet Jenner, Spencer Realty, 435-0808.

**RENT** - Riverbend, Terwillegar, sparkling, two storey, four bedrooms, 2,300', jacuzzi. \$1,500/month, immediate. Janet Jenner, Spencer Realty, 435-0808.

**RENT** - Central, Glenora, renovated character home. Vaulted ceiling, circular stairs, immediate. \$1,500/month. Janet Jenner, Spencer Realty, 435-0808.

**SHARE** - Wanted, quiet individual to share house with two others. Rent, \$270/month. Janet Jenner, Spencer Realty, 435-0808.

**RENT** - Patricia Heights, west end. Furnished, executive, 2,000', immaculate. Quiet, family neighbourhood, garage, beautiful yard, deck, barbecue. January 1993. References required. 436-1385 days, 454-7196 evenings.

**SALE** - Belgravia, \$138,900, 945' bungalow. Excellent location with south yard, double garage, developed basement. Ed Lastiwka, Royal LePage Realty, 437-7480, 446-3800.

**SALE** - Malmo Plains. Gorgeous, upgraded, open-beam bungalow, approximately 1,200'. Bright, spacious home with professionally finished basement. Excellent, quiet location. Call now. Star Gendron, Re/Max Real Estate, 484-5200, 446-7421.

**RENT** - Old Strathcona, one bedroom apartment, 1,300' plus. European kitchen, convection oven, refrigerator/ice maker, skylights, jacuzzi, solarium, hardwood floors, accents. Intercom, private entrance, wood-burning stove. \$970. View, 433-2269.

**RENT** - Windsor Park bungalow, garage, finished basement, one block from campus. 430-7975.

**RENT** - House, Mill Creek ravine, NW section. Three bedrooms, fridge, stove, washer/

dryer, garage. \$725/month. Available December. 439-2303.

**SALE** - Exceptional three bedroom, large bungalow, fully finished basement, alarm system, intercom, three full bathrooms, double detached heated garage. Walk to University, ravine. Joan Lynch, Re/Max Real Estate, 433-9025, 438-7000.

**SALE** - By owner, Belgravia, brand-new, luxury condo. 1,245', two bedrooms, two full baths, fireplace, fenced yard. Small pets allowed, security system. \$149,000. 482-5740.

**SALE** - Grandview. Price reduced to \$215,000 and early possession available. Two and three bedrooms. Double garage, quiet location near the school. Marjorie King, Spencer Realty, 435-0808, 435-0395.

**RENT** - Three bedroom house. Sabbatical leave next term. 451-6025.

**RENT** - 108 Avenue and 134 Street. Immaculate, two plus one bedroom, two baths, hardwood floors, blinds/drapes, four appliances. Single detached garage, attractive yard. References, no smokers/dogs. \$900/month. 486-5570.

**SALE** - Grandview. Treed yard, quiet street, ravine nearby. Pat vonBorstel, Spencer Realty, 435-0808.

**RENT** - Parkallen bungalow. Quiet street, treed yard, double garage. Two bedrooms up, one down plus family room. Two baths, all appliances. Pina, 434-4882, Pat, Spencer Realty, 435-0808.

**RENT** - Three bedroom house, great city view, eight minutes from University. \$675/month. Call Paul at 473-3780.

**RENT** - Ravine bungalow, three bedrooms, three baths, fully furnished. Close to University. Nonsmokers. Available 1 January - 15 April. Call 483-8678.

**RENT** - Furnished house including dishes, linen, etc. Three bedrooms, one furnished as office, small garage, in quiet Ottewell location. Rent to nonsmokers, \$750/month. Day 483-7946, message, 469-2052.

**MICHENER PARK** - Two bedroom rowhouses and apartments for rent in University residence located in southwest Edmonton. Excellent bus service to University, utilities included. All inquiries welcome, 492-7044.

**SALE** - Two bedroom spacious condo near University. Priced to sell. \$89,900. Joe, 426-0423.

**RENT** - Half duplex, Ottewell, two plus three bedrooms, two baths. Close to shopping, ten-minute drive University. 469-7004.

## ACCOMMODATIONS WANTED

**MATURE, UNIVERSITY EMPLOYEE** available to housesit. Previous experience. Phone Joanna, 433-8668 or 492-6365.

**VISITING NORWEGIAN SCIENTISTS** wish to rent furnished four bedroom, two bathroom house, University area. January 1993 to December 1994. Patty, 453-8073.

## GOODS FOR SALE

**CASH PAID FOR APPLIANCES**, 432-0272.

## SERVICES

**DONNIC WORD PROCESSING** - Since 1978, specializing in theses, manuscripts, etc. 453-2769.

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**DON'S TYPING SERVICE** - St Albert area, laser printer. 459-6532.

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**ANITA JENKINS, WRITER/EDITOR**. Theses, letters, résumés, journal articles. 474-6656.

**TECH VERBATIM** - Professional word processing. WP5.1, Microsoft Word, laser printing, campus location. Donna, 440-3714, evenings and weekends.

**MARK EHRMAN CABINET SERVICES** - Custom designs or made to match existing. References available. 463-0889.

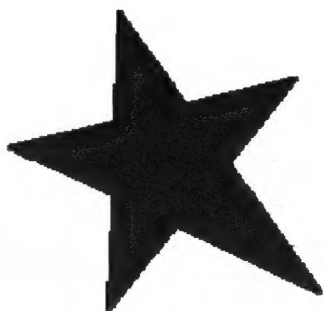
**JAPANESE WORD PROCESSING** and translations. Laser printing, Japanese-English translations. Full confidentiality, competitive rates, free estimates. Phone evenings or fax 437-7730.

## MISCELLANEOUS

**QUALITY TIME FOR QUALITY PEOPLE!** Dining, stimulating discussion, socializing. Hotel MacDonald, 28 November. Mature, unattached people welcome. 465-2972.

## Festival of Nine Lessons and Carols for Advent and Christmas

Thursday December 3rd 5:00 P.M.  
Convocation Hall



U. of A. Mixed Chorus

under the direction of

Dr. Robert de Frece

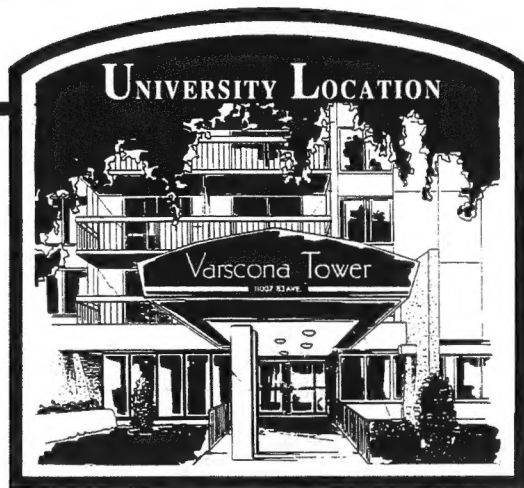
Music Co-ordinator and Organist

Dr. Marnie Giesbrecht

Sponsored by the

University of Alberta Christian Chaplains' Association

and the Department of Music



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Sat, Sun - 12:00 - 5:00 pm

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## BACK BASICS

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## Man of La Mancha Gala Evening

Thursday, December 10, 1992

CITADEL THEATRE, EDMONTON

- Hit Broadway musical including "The Impossible Dream"
- Stars Michael Burgess & Susan Gilmore (Les Misérables)
- Directed by Robin Phillips & Susan Cox
- Spanish-style reception with complimentary bar

TICKETS \$100.00 (EST. \$50.00 TAX RECEIPT)



- ♦ All proceeds to Alberta Lung Foundation for the Alberta Asthma Centre
- ♦ Excellent corporate sponsorship/ticket packages available
- ♦ For tickets or more information, please call Alberta Lung Foundation

492-4762

**Department of music**  
University of Alberta

Sun., Nov. 22 at 8 pm  
KILBURN ENCOUNTERS II

Wed., Nov. 25 at noon  
Student Organ Recital

Wed., Nov. 25 at 8 pm  
Symphonic Wind Ensemble

Fri., Nov. 27 at 8 pm  
Madrigal Singers Concert

In Convocation Hall, Arts Bldg.  
Info: Dept. of Music: 492-3263.

**Computing and Network Services**  
University of Alberta

**WordPerfect Volume Purchase Agreement**

Computing and Network Services has a volume purchase agreement with WordPerfect Corp. that allows University departments to purchase WordPerfect products at substantial discount prices. Purchases of WordPerfect products under this agreement can only be made with a University indent.

Upgrading to the latest WordPerfect version from your current version is possible if you return your old master diskettes to the Help Desk. For more information about the campus WordPerfect volume purchase agreement, contact the CNS Help Desk (492-9400, 302 General Services Building).

**Current Prices**

• WordPerfect 5.1/		Manual	\$27
WordPerfect for Windows	\$28	• DrawPerfect/Presentations	\$45
Upgrade	\$22	Figure Library	\$18
Manual	\$27	Manual	\$27
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Upgrade	\$40	Manual	\$27



## Are Students Safe on Campus?

The Committee on Safety and Security on Campus invites written submissions on the personal safety and security of students on campus. If you wish to make a submission, please write to the Committee Chair,

Dr. Raymond J. S. Grant,  
Department of English, 3-5 Humanities Centre,  
by December 1, 1992.

Written submissions themselves will be accepted and examined by the Committee in the new year. The submissions will be attached as an appendix to the Committee's final report. Some groups and individuals may be asked to appear before the committee to expand on the ideas contained in their written submissions.

**The Committee is counting on your input.**

W/92/10/25



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237 Law Centre  
University of  
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